

APPENDIX D - Cost Flowcharts

Requirement: Managerial Training as Part of Management Commitment

Management Hours 2 hours	X	Mgmt. Labor Rate \$24.42	=	Total Cost \$48.84
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Total Cost \$48.84	X	Number of Entities 2,720,000	=	Initial Mgmt. Training Cost \$132,844,800
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Requirement: Initial Set Up

Management Hours 1 hour	X	Mgmt. Labor Rate \$24.42	=	Total Cost \$24.42
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Total Cost \$24.42	X	Number of Entities 2,720,000	=	Initial Set Up Cost \$66,422,400
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Requirement: Set Up Reporting System

Management Hours 1 hour	X	Mgmt. Labor Rate \$24.42	=	Total Cost \$24.42
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Total Cost \$24.42	X	Number of Entities 2,720,000	=	Initial Set Up Reporting Cost \$66,422,400
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Requirement: Reporting of MSDs

Management Hours .25 hour	X	Mgmt. labor Rate \$24.42	=	Cost per MSD \$6.11
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+

Employee Hours .25 hour	X	Employee Labor Rate \$15.93	=	Cost per MSD \$3.98	=	Total Cost per MSD \$10.09
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Total Cost per MSD \$10.09	X	Total MSDs per Year 647,344 cases	=	Annual Reporting Cost of Reporting MSDs \$ 6,531,701
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Requirement: Employee Information

Management Hours .5 hour	X	Mgmt. Labor Rate \$24.42	X	Number of Entities 2,720,000	=	Total Mgmt. Cost \$33,211,200
					+	
Employee Hours .5 hour	X	Employee Labor Rate \$15.93	X	Total Number of Employees 40,800,000	=	Total Empl. Cost \$324,972,000
					=	Total Cost \$358,183,200

Requirement: Management Training for Full Program

Management Hours 4 hours	X	Mgmt. Labor Rate \$24.42	=	Total Cost \$97.68
Total Cost \$97.68	X	Yearly Total Number MSDs 647,344 cases	=	Cost for Mgmt. Full Training \$63,232,562

Requirement: Job Analysis

Management Hours 1 hour	X	Mgmt. Labor Rate \$24.42	=	Total Cost per MSD \$24.42
				+
Employee Hours 1 hour	X	Empl. Labor Rate \$15.93	=	Total Cost per MSD \$15.93
			=	Total Cost per MSD \$40.35
Total Cost \$40.35	X	Annual Number of MSD Cases 647,344 cases	=	Total Annual Cost of Job Analysis \$26,120,330

Requirement: Hazard Control Program

Management Hours 1 hour	X	Mgmt. Labor Rate \$24.42	=	Mgmt. Cost per MSD \$24.42	
				+	
Employee Hours 1 hour	X	Empl. Labor Rate \$15.93	=	Empl. Cost per MSD \$15.93	
			=	Total Cost per MSD \$40.35	(90% of cases)

Total Cost per MSD \$40.35	+	Ergonomics Consultant Fee \$1,000	=	Total Cost per MSD \$1,040.35	(10% of cases)
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Total Cost per MSD \$40.35	X	Number of MSD Cases 647,344 cases	X	.9	=	Total Cost \$23,508,297
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				+		
Total Cost per MSD \$1,040.35	X	Number of MSD Cases 647,344 cases	X	.1	=	Total Cost \$67,346,433

	=	Total Cost for Hazard Control \$90,854,730
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Requirement: Hazard Control - engineering & administrative control costs

<div>Number of MSD cases per year 647,344 cases</div>	X	<div>Cost for affected (1) employee \$800</div>	X 3 =	<div>Total Cost per Year \$1,553,625,600</div>
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Requirement: Employee Training for Full Program

<div>Employee Time Spent 1 hour</div>	X 3 X	<div>Employee Rate \$15.93</div>	=	<div>Employee Cost \$15.93</div>
				+
<div>Mgmt. Time Spent 2 hours</div>	X	<div>Mgmt. Rate \$24.42</div>	=	<div>Mgmt. Cost \$48.84</div>
			=	<div>Total Cost \$64.77</div>
<div>Total Cost \$64.77</div>	X	<div>Number MSDs per Year 647,344 cases</div>	=	<div>Total \$41,928,471</div>

Requirement: Administering Medical Management

Mgmt. Time Spent 1 hour	X	Mgmt. Rate \$24.42	X	Number of MSDs per Year 647,344	=	Total Cost \$15,808,140
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Requirement: Medical Removal Protection

Number of MSDs per Year 647,344 cases	X	Cost per MSD \$1036	=	Total Cost \$670,648,384
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